

M.B.B.S. IST PROFESSIONAL EXAMINATION 2002

PHYSIOLOGY

PAPER -I

Time - 3Hrs.

M.M - 50

Note:- Attempt all questions. All questions carry equals marks, reply your answers with suitable diagrams.

- ✓Q.1. Define blood pressure. Describe mechanism of its regulation.
- ✓Q.2. What is Hypoxia? Write types of Hypoxia with illustrations.
- Q.3. What are blood groups and their clinical significance. Write various reactions due to transfusion of mismatched blood.
- Q.4. Describe with diagrams?
- a) Micturition reflex. ✓
 - b) Gastric-emptying mechanism. ✓
- Q.5. Write short notes on following
- a) Pacemaker: ✓
 - b) ADH. ✓
 - c) Thrombocytopenic purpura. ✓
 - d) Acclimatisation. ✓
 - e) Cyanosis. ✓

M.B.B.S. IST PROFESSIONAL EXAMINATION 2002.

PHYSIOLOGY
PAPER -II

Time - 3Hrs.

M.M - 50

Note:- Attempt all questions. All questions carry equals marks, reply your answers with suitable diagrams.

- Q.1. Name various Hormones secreted from Thyroid gland. Compare and contrast T₃ and T₄.
- Q.2. Write briefly with Diagram :
- a) Functions of Hypothalamus
 - b) Sensory pathways carrying signals of touch, pain and temperature towards brain.
- Q.3. Write briefly with diagram
- a) Excitation contraction coupling.
 - b) Action potential.
- Q.4. Describe in brief
- a) Ovulation.
 - b) / Fight and flight mechanism.
- Q.5. Write short notes on following
- a) Oxygen debt.
 - b) Heat stroke.
 - c) Accomodation in eye.
 - d) Conduction deafness.
 - e) Referred pain.



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31/8/02

MBBS 1ST PROFESSIONAL SUPPLEMENTRY EXAMINATION 2002.

Physiology

Paper- 1

M.M. 50.

Time: 3 hrs.

Note: All questions are to be attempted, reply your questions with well labelled diagrams, all questions carry equal marks.

Q.1. What is Cardiac cycle. Draw a labelled diagram to show its various phases. ✓

Q.2. Describe the composition, function and regulation of pancreatic juice. ✓

Q.3. Describe the role of Kidneys in Urine formation and its concentration. ✓

Q.4. Describe with labelled diagram/graph:-

a) Stages of Erythropoiesis

b) Lung volumes and capacities in a normal adult male.

Q.5. Write short notes on:-

a) Functions of Plasma Proteins

✓ b) Humoral Immunity

✓ c) Hering Breur Reflex

d) Respiratory Distress Syndrome

e) Jaundice

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MBBS 1ST PROFESSIONAL SUPPLEMENTARY EXAMINATION 2002.

Physiology

Paper- II

M.M. 50.

Time: 3 hrs.

Note: All questions are to be attempted, reply your questions with well labelled diagrams, all questions carry equal marks.

✓ Q.1. Name various Hormones secreted from Pancreas. Describe their role in regulation of Blood Sugar level.

Q.2. Describe briefly:-

a) Upper and Lower motor Neuron lesion.

b) Basal Ganglia and their functions. ✓

Q.3. Describe in brief:-

a) Neuro Muscular junction.

b) Myasthenia Gravis.

Q.4. Write briefly:-

a) L.H. Surge.

b) Fight & Flight Mechanism. ✓

Q.5. Write short notes on:-

a) Spermatogenesis.

b) Visual Receptors.

c) Taste Bud.

d) Basal Metabolic Rate.

e) Fantom Limb. ✓